

Sheet 1 of 4

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. SHAI-2	SERIAL NO. 09/367,714
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT: SHAI et al.	1653
				FILING DATE: January 14, 2000	GROUP: <del>base</del>
EXAMINER INITIALS	OTHER DOCUMENTS (include at least document number, publication date and country)				
<i>D.L.</i>	AA	WADE et al., "Antibacterial peptides designed as analogs or hybrids of cecropins and melittin", <u>Int. J. Peptides Res.</u> , vol.40, pp.429-436, (1992)			
	AB	BOMAN et al., "Antibacterial and antimalarial properties of peptides that are cecropin-melittin hybrids", <u>FEBS Letters</u> , vol.259, no.1, pp.103-106, (1989)			
	AC	RAPAPORT et al., "pH- and Ionic Strength-Dependent Fusion of Phospholipid Vesicles Induced by Pardaxin Analogues or by Mixture of Charge-Reversed Peptides", <u>Biochemistry</u> , vol.32, pp.3291-3297, (1993)			
	AD	POUNY et al., "Interaction of D-Amino Acid Incorporated Analogs of Pardaxin with Membranes", <u>Biochemistry</u> , vol. 31, pp.9482-9489, (1992)			
	AE	SHAI et al., "Diastereomers of Cytolysins, a Novel Class of Potent Antibacterial Peptides", <u>The Journal of Biological Chemistry</u> , vol.271, no.13, pp.7305-7308, (1996)			
	AF	AGAWA et al., "Interaction with Phospholipid Bilayers, Ion Channel Formation, and Antimicrobial Activity of Basic Amphiphatic $\alpha$ -Helical Model Peptides of Various Chain Lengths" <u>The Journal of Biological Chemistry</u> , vol.266, no.30, pp.20218-20222, (1991)			
	AG	ALTENBACH et al., "The Aggregation State of Spin-Labeled Melittin in Solution and Bound to Phospholipid Membranes: Evidence That Membrane-Bound Melittin Is Monomeric", <u>PROTEINS: Structure, Function and Genetics</u> , vol.3, pp.230-242, (1988)			
<i>D.L.</i>	AH	ANDERSON et al., "Melittin Forms Crystals Which are Suitable for High Resolution X-ray Structural Analysis and Which Reveal a Molecular 2-Fold Axis of Symmetry", <u>The Journal of Biological Chemistry</u> , vol.255, no.6, pp.2578-2582, (1990)			
<i>D.L.</i>	AI	ANZAI et al., "Formation of ion Channels in Planarlipids bilayer membranes by synthetic basic peptides", <u>Biochem. Biophys. Acta</u> , vol.1064, pp.256-266, (1991)			
	AJ	BARTLETT, "Phosphorus Assay in Column Chromatography", <u>J. Biol. Chem.</u> , vol.234, pp.466-468, (1959)			
	AK	BATENBURG et al., "Lipid specific penetration of melittin into phospholipid model membrane", <u>Biochem. Biophys. Acta</u> , vol.903, pp.155-165, (1987)			
	AL	BATENBURG et al., "Melittin-Induced Changes of the Macroscopic Structure of Phosphatidylchanolamines", <u>Biochemistry</u> , vol.27, pp.2324-2331, (1988)			
	AM	BATENBURG et al., "Interaction of melittin with negatively charged phospholipids: consequences for lipid organization", <u>FEBS Letters</u> , vol.223, no.1, pp.148-154, (1987)			
	AN	BAZZO et al., "The structure of melittin A <sup>1</sup> H-NMR study in methanol", <u>Eur. J. Biochem.</u> , vol.173, no.139-146, (1988)			
	AO	BENKRANE et al., "Antigenicity and Immunogenicity of Modified Synthetic Peptides Containing D-Amino Acid Residues", <u>The Journal of Biological Chemistry</u> , vol.268, no.35, pp.26279-26285, (1993)			
<i>D.L.</i>	AP	BESCHIASCHVILI et al., "Melittin Binding to Mixed Phosphatidylglycerol/Phosphatidylcholine Membranes", <u>Biochemistry</u> , vol.29, pp.52-58, (1990)			
<i>D.L.</i>	AQ	RESSALLI et al., "All-D-enkephalin: chirality, antimicrobial activity and proteolytic resistance", <u>FEBS Letters</u> , vol.274, nos. 1 and 2, pp.151-155, (1990)			
EXAMINER	<i>David L. Lillian</i>		DATE CONSIDERED	6-3-05	
EXAMINER: Initial if reference considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Sheet 2 of 4

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. SHAI-1	SERIAL NO. 09/367,714
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: SHAI et al.		
		FILING DATE: January 14, 2000		GROUP: 1642
EXAMINER INITIALS <i>DL</i>	FOREIGN PATENT DOCUMENTS (include at least document number, publication date and country)			
AR	BOLEN et al., "Quenching of Tryptophan Fluorescence by Brominated Phospholipid", <u>Biochemistry</u> , vol.29, pp.9638-9643, (1990)			
AS	BOMAN, "Peptide Antibiotics and Their Role in Innate Immunity", <u>Annu. Rev. Immunol.</u> , vol.13, pp.61-92, (1995)			
AT	CHEN et al., "Synthetic magainin analogues with improved antimicrobial activity", <u>FEBS Letters</u> , vol.236, no.2, pp.462-466, (1988)			
AU	CORNUT et al., "Application to the de novo design of ideally amphiphatic Lys, Lys peptides with hemolytic activity higher than that of melittin", <u>FEBS Letters</u> , vol.349, pp.29-33, (1994)			
AV	DEMPSEY, "The actions of melittin on membranes", <u>Einchem. Biol. Acta</u> , vol.1031, pp.143-161, (1990)			
AW	DHOPPE et al., "-Toxin, Unlike Melittin, has only Hemolytic Activity and no Antimicrobial Activity. Rationalization of this Specific Biological Activity", <u>Bioscience Reports</u> , vol.13, no.4, (1993)			
AX	EISENBERG et al., "Analysis of Membrane and surface Protein Sequences with the Hydrophobic Moment Plot", <u>J. Mol. Biol.</u> , vol.179, pp.125-142, (1984)			
AY	FISHER et al., "Calmodulin interacts with amphiphilic peptides composed of all D-amino acids", <u>Lettres to Nature</u> , vol.368, pp.651-653, (1994)			
AZ	GAZIT et al., "Mode of Action of the Antibacterial Cecropin B2: A Spectrofluorometric Study", <u>Biochemistry</u> , vol.33, pp.10681-10692, (1994)			
BA	GREENFIELD et al., "Computer Circular Dichroism Spectra for the Evaluation of Protein Conformation", <u>Biochemistry</u> , vol.8, pp.4108-4116, (1969)			
BB	HABERMANN et al., "Sequenzanalyse des Melittins aus den trypischen und peptischen Spaltstücken", <u>Hoppe Seyler's Z. Physiol. Chem.</u> , vol.348, pp.37-50, (1967)			
BC	KATCHALSKI et al., "Synthesis and Chemical Properties of Poly-a-Amino Acids", <u>Adv. Protein Chem.</u> , vol.13, pp.243-492, (1958)			
BD	KUCHINKA et al., "Interaction of Melittin with Phosphatidylcholine Membranes Binding Isotherm and Lipid Head-Group Conformation", <u>Biochemistry</u> , vol.28, pp.4216-4221, (1989)			
BE	LI et al., "Effects on electrophoretic mobility and antibacterial spectrum of removal of two residues from synthetic sarcotoxin 1A and addition of the same residues to cecropin B", <u>FEBS Letters</u> , vol.231, no.2, pp.299-302, (1988)			
BF	LOEW et al., "Diffusion Potential Cascades. Convenient Detection of Transferable Membrane Pores", <u>Biochemistry</u> , vol.22, pp.837-844, (1983)			
BG	MERRIFIELD et al., "Synthesis of Antibacterial Peptides Cecropin A (1-33)", <u>Biochemistry</u> , vol.21, pp.5020-5031, (1982)			
BH	MOR et al., "Isolation, Amino Acid Sequence, and Synthesis of Dermaseptin, a Novel Antimicrobial Peptide of Amphibian Skin", <u>Biochemistry</u> , vol.30, pp.8824-8830, (1991)			
EXAMINER <i>David Lachman</i>	DATE CONSIDERED		6-3-05	
EXAMINER: Initial if reference considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				

Sheet 3 of 4

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. SHAI=2	SERIAL NO. 09/367,714
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: SHAI et al.		
		FILING DATE: January 14, 2000		GROUP: 1642
EXAMINER INITIALS		FOREIGN PATENT DOCUMENTS (include at least document number, publication date and country)		
SK		BI	OKADA et al., "Mode of action of a bactericidal protein induced in the haemolymph of Sarcophaga peregrina (flesh-fly) larvae", <u>Biochem. J.</u> , vol.222, pp.119-124, (1984)	
		BJ	OREN et al., "A class of highly potent antibacterial peptides derived from pardaxin a pore-forming peptide isolated from Moses sole fish <u>Pardachirus marmoratus</u> ", <u>Eur. J. Biochem.</u> vol.237, pp.303-310, (1996)	
		BK	PAPAHADJOPoulos et al., "I. Structural Characteristics of Hydrated Liquid Crystals", <u>Biochim. Biophys. Acta</u> , vol.135, pp.624-638, (1967)	
		BL	PBREZ-PAYA et al., "Determination of the secondary structure of selected melittin analogues with different haemolytic activities", <u>Biochem. J.</u> , vol.299, pp.587-591, (1994)	
		BM	RAPAPORT et al., "Aggregation and Organization of Pardaxin in Phospholipid Membranes", <u>The Journal of Biological Chemistry</u> , vol.267, no.10, pp.6502-6509 (1992)	
		BN	RAPAPORT et al., "Interaction of Fluorescently Labeled Pardaxin and Its Analogs with Lipid Bilayers", <u>The Journal of Biological Chemistry</u> , vol.266, no.35, pp.23769-23775, (1991)	
		BO	RIZZO et al., "Alamethicin Incorporation in Lipid Bilayers: A Thermodynamic Study", <u>Biochemistry</u> , vol.26, pp.2751-2759, (1987)	
SK		BP	HUNTER et al., "Fifty years of Antimicrobials: Past Perspectives and Future Trends", <u>Cambridge University Press</u> , pp.67-85, (1995)	
		BQ	SCHWARZ et al., "Incorporation Kinetics in a membrane, studied with the pore-forming peptide alamethicin", <u>Biophys. J.</u> , vol.52, pp.685-692, (1987)	
		BR	SEGREST et al., "Amphipathic Helix Motif Classes and Properties", <u>PROTEINS: Structure, Function, and Genetics</u> , vol.8, pp.103-117, (1990)	
		BS	SHAI, "Molecular recognition between membrane-spanning polypeptides", <u>JIBS</u> , vol.20, pp.460-464, (1995)	
		BT	SHAI, "Pardaxin: channel formation by a shark repellent peptide from fish", <u>Toxicology</u> , vol.87, pp.109-129, (1994)	
		BU	SHAI et al., "Sequencing and synthesis of pardaxin, a polypeptide from the Red Sea Moses sole with ionophore activity", <u>FEBS Letters</u> , vol.242, no.1, pp.161-166, (1988)	
		BV	SHAI et al., "pH-dependent Pore Formation Properties of Pardaxin Analogues", <u>The Journal of Biological Chemistry</u> , vol.266, no.33, pp.22346-22354, (1991)	
		BW	SHAW, "Lipid Composition as a Guide to the Classification of Bacteria", <u>Adv. Appl. Microbiol.</u> , vol.17, pp.63-108, (1974)	
SK		EX	SIMS et al., "Studies on the Mechanism by Which Cyanine Dyes Measure Membrane Potential in Red Blood Cells and Phosphatidylcholine Vesicles", <u>Biochemistry</u> , vol.13, no.16, pp.3315-3330, (1974)	
SK		BY	STEINER et al., "Sequences and specificity of two antibacterial proteins involved in insect immunity", <u>Nature</u> , vol.292, pp.246-248, (1981)	
EXAMINER		DATE CONSIDERED		6-3-05
EXAMINER: Initial if reference considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				

Sheet 4 of 4

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. SHAI-2	SERIAL NO. 09/367,714
		LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)	APPLICANT: SHAI et al.	
			FILING DATE: January 14, 2000	GROUP: 1642
EXAMINER INITIALS <i>DL</i>	FOREIGN PATENT DOCUMENTS (Include at least document number, publication date and country)			
BZ	TERWILLIGER et al., "The Structure of Melittin I. Structure Determination and Partial Refinement", <u>The Journal of Biological Chemistry</u> , vol.257, no.11, pp.6010-6015, (1982)			
CA	TERWILLIGER et al., "The Structure of Melittin II. Interpretation of the Structure", <u>The Journal of Biological Chemistry</u> , vol.257, no.11, pp.6016-6022, (1982)			
CB	THOMPSON et al., "Melittin-Like Peptides from the Shark-Repelling Defense Secretion of the sole <i>Pardachirus pavoninus</i> ", vol.238, pp.341-343, (1986)			
CC	VERKLEIJ et al., "The Asymmetric Distribution of Phospholipids in the Human Red Cell Membrane: A Combined Study Using Phospholipases and Freeze-Etch Electron Microscopy", <u>Biochem. Biophys. Acta</u> , vol.323, pp.173-193, (1973)			
CD	WADE et al., "A-D amino acid-containing channel-forming antibiotic peptides", <u>Proc. Natl. Acad. Sci.</u> , vol.87, pp.4761-4765, (1990)			
CE	CHUEN-SHANG et al., "Ordered Conformation of Polypeptides and Proteins in Acidic Dodecyl Sulfate Solution" <u>Biochemistry</u> , vol.20, pp.566-570, (1981)			
CP	ZAGORSKI et al., "Solution Structure of Pardaxin P-2", <u>Biochemistry</u> , vol.30, pp.8009-8017, (1991)			
CG	ZAHNER et al., "The need for New Antibiotics: Possible ways forward", Institute of Biology II, University of Tübingen, pp.67-84			
EXAMINER <i>David Lefan</i>	DATE CONSIDERED 6-3-05			
EXAMINER: Initial if reference considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				